# How will CalPHIN improve California's public health system?

# Improved Detection and Surveillance

- Increased electronic transmission/submission
- More efficient and effective case management
- Coordinated information systems development efforts in support of disease reporting activities
- Receipt, use, and processing of electronic laboratory data for surveillance and possible event detection
- Enhanced timeliness and completeness of reporting
- Coordination of public health participants will improve over time

## **Enhanced Security and Privacy**

- Security standards to protect sensitive data
- Culture of data stewardship

## Improved Data Exchange

- More timely and accurate access to disease surveillance information
- Automated exchange of data between public health partners
- Automated communication system to support disease surveillance
- Interoperable system for exchanging all relevant critical information types
- Timely information sharing between local, State, and Federal programs

## **Enhanced Notifications and Alerts**

- Rapid identification of abnormal patterns
- Enhanced event detection
- Transmission of emergency alerts
- Rapid notification and information exchange regarding disease outbreaks
- Reliable identification of public health participants and associated roles and responsibilities

# Enhanced public health information infrastructure to protect and improve the health

of Californians

## Improved Data Collection

- Data is entered once and shared by many
- Minimized redundant data entry
- Electronic laboratory reporting
- Minimized manual, paper-intensive processes
- Standards for uniform data collection
- Consistent approach to obtain public health data
- Streamlined processes
- Improved consistency of public health data sets
- Lessened work by laboratories and data entry personnel

## Improved Decision Making

- Improved access to more comprehensive disease information
- Meets BT preparedness and response needs
- Use of industry standards for comparable data use and exchange
- Facilitates real-time evaluation of public health data
- Improved ability to analyze, display, report, and map public health data
- More consistent and thorough epidemiologic analysis
- Public health decisions will be based on more timely, accurate information

## icient Use of Information Technology

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- Prioritized of public health applications

## Focused and Coordinated Resource Allocation

- More efficient use of fiscal resources
- Efficient use of infrastructure at state level
- Coordinated development efforts and use of common solutions
- Coordinated funding
- Reduction of separate, duplicative inforamtion tehonology development efforts
- Staff directed to mission critical assignments, rather than performing work that duplicates current efforts

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